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APPLICANT: TOYOTA MOTOR CORP;

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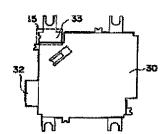
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TITLE

: PREAMPLIFIER FOR GPS ANTENNA



12(GoAs-F

はくす・シ電氏吸収所チョ

15(シールド体)

LJ(入力整合回路)

15(出力無合回路)

ABSTRACT: PURPOSE: To prevent abnormal oscillation, to shorten the development time and to save the development labor by coupling a choke circuit for surge voltage absorption and a shield body in a high frequency range.

> CONSTITUTION: The shield body 15 is arranged for the preamplifier 1 for the GPS antenna. The shield body 15 covers at least part of the choke circuit 14 for surge voltage absorption which protects a GaAs-FET 12 against a surge voltage and this shield body 15 cuts off electromagnetic field coupling with the periphery. This shield body 15 is formed of a folded part 33. The folded part 33 is constituted integrally with a shield case 30 and, in other words, formed of part of the shield case 30. The folded part 30 has a surface brought into contact with at least part of the choke circuit 14 for surge voltage absorption.

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